

GenCore version 5.1.4_p5_4578
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OM nucleic - nucleic search, using sw model

Run on: March 30, 2003, 03:17:01 ; Search time 88.2398 Seconds
(without alignments)
13395.488 Million cell updates/sec

Title: US-09-768-781-2

Perfect score: 1389.

Sequence: 1 atgaacacagaccacaca.....caaggcaaaagtgtgtctga 1389

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 574371 seqs, 425486471 residues

Total number of hits satisfying chosen parameters: 1148742

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications NA:*

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- 2: /cgn2_6/ptodata/1/pubpna/PCT_NEW_PUB.seq:*
- 3: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq:*
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- 13: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq:*
- 14: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	1346.8	97.0	1350	10	US-09-768-781-1
3	748.8	53.9	17993	10	US-09-768-781-5
4	515.4	37.1	531	9	US-10-092-154-106
5	515.4	37.1	531	10	US-09-764-847-106
6	291.2	21.0	5096	10	US-09-962-436-564
7	272.2	19.6	668	10	US-09-864-761-18902
8	176.8	12.7	471	10	US-09-864-761-62
9	162	11.7	384	10	US-09-864-761-21423
10	142	10.2	498	10	US-09-864-761-4683
11	73.2	5.3	294	10	US-09-864-761-19197
12	65	4.7	477	10	US-09-864-761-2467
13	51.6	3.7	486	10	US-09-864-761-10062
14	45	3.2	832	10	US-09-764-877-853
15	38.8	2.8	6799	9	US-09-902-941-1883
16	38.8	2.8	6799	9	US-09-849-626-1883
17	38.8	2.8	6799	9	US-10-017-754-1883
18	38	2.7	3504	9	US-09-822-846-143
19	38	2.7	3504	9	US-09-822-846-144

C	20	35.2	2.5	9822	10	US-09-853-386-25	Sequence 25, Appl
	21	35	2.5	1940	12	US-10-044-090-275	Sequence 275, Appl
	22	34.8	2.5	2120	10	US-09-801-574-29	Sequence 29, Appl
C	23	34.2	2.5	3163	9	US-09-822-846-213	Sequence 213, Appl
C	24	34.2	2.5	4474	9	US-09-909-567B-7	Sequence 7, Appl
	25	34	2.4	170834	10	US-09-835-232-7	Sequence 1, Appl
	26	34	2.4	536165	9	US-09-939-964-1	Sequence 1, Appl
	27	33.6	2.4	22756	9	US-10-091-572-473	Sequence 473, Appl
C	28	33.4	2.4	592	10	US-09-864-761-13139	Sequence 13139, A
	29	33.4	2.4	1233	9	US-10-076-816-12	Sequence 12, Appl
	30	33.2	2.4	327	10	US-09-864-761-28059	Sequence 28059, A
	31	33.2	2.4	456	10	US-09-864-761-11468	Sequence 11468, A
	32	33.2	2.4	4030	10	US-09-070-927A-264	Sequence 264, Appl
	33	33	2.4	1148	10	US-09-893-737-35	Sequence 10, Appl
C	34	33	2.4	4689	10	US-09-895-652-10	Sequence 2, Appl
C	35	33	2.4	5173	10	US-09-811-045A-2	Sequence 19, Appl
	36	32.8	2.4	2125	9	US-09-957-708-19	Sequence 1436, Appl
	37	32.8	2.4	5598	9	US-03-938-842A-1436	Sequence 25, Appl
C	38	32.8	2.4	42000	9	US-10-081-563-25	Sequence 3, Appl
	39	32.8	2.4	397658	10	US-09-813-320-3	Sequence 1, Appl
C	40	32.8	2.4	465237	10	US-09-933-267A-1	Sequence 1, Appl
C	41	32.6	2.3	222	10	US-09-915-060-1	Sequence 2, Appl
C	42	32.6	2.3	222	10	US-09-915-060-2	Sequence 332, Appl
C	43	32.6	2.3	520	9	US-10-184-644-332	Sequence 2054, Appl
C	44	32.6	2.3	633	10	US-09-867-701-2054	Sequence 6, Appl
C	45	32.6	2.3	660	10	US-09-915-060-6	

ALIGNMENTS

RESULT 1

US-09-768-781-2

; Sequence 2, Application US/09768781

; Patent No. US20020142376A1

; GENERAL INFORMATION:

; APPLICANT: MERKULOV, Gennady V. et al

; TITLE OF INVENTION: ISOLATED HUMAN TRANSPORTER PROTEINS,

; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN TRANSPORTER PROTEINS,

; FILE REFERENCE: CL001057-CIP

; CURRENT APPLICATION NUMBER: US/09/768,781

; CURRENT FILING DATE: 2001-01-25

; NUMBER OF SEQ ID NOS: 7

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 2

; LENGTH: 1389

; TYPE: DNA

; ORGANISM: Human

; US-09-768-781-2

Query Match	100.0%	Score 1389;	DB 10;	Length 1389;
Best Local Similarity	100.0%;	Pred. No. 0;		
Matches 1389;	Conservative	0;	Mismatches	0;
			Indels	0;
			Gaps	0;
QY	1	ATGAACACAAGACCAACATTTCAGAAAGAACCTCGACAATGGACAGAGTTTATGAATTT	60	
Db	1	ATGAACACAAGACCAACATTTCAGAAAGAACCTCGACAATGGACAGAGTTTATGAATTT	60	
QY	61	CCTGAGAGGACCAATGTGGATCCGGTTTCATCTCTGAGGAAGATGTCATCCGTGGAGCC	120	
Db	61	CCTGAGAGGACCAATGTGGATCCGGTTTCATCTCTGAGGAAGATGTCATCCGTGGAGCC	120	
QY	121	AACCCCGATTACTTTTCCATTTAGCATCTTTTCCACCTTTTGTACTGTGGGAG	180	
Db	121	AACCCCGATTACTTTTCCATTTAGCATCTTTTCCACCTTTTGTACTGTGGGAG	180	
QY	181	GCTGCATCTCTTTTGTACATGGTTTAGAATCTATCGAAGAAATAGTGAACCTTACTGGATG	240	
Db	181	GCTGCATCTCTTTTGTACATGGTTTAGAATCTATCGAAGAAATAGTGAACCTTACTGGATG	240	
QY	241	ACATACACCTTTTCTTTTCTTTTATGTTTTCATCCATTTATGGTCCAGTTGACCCCTCATTTT	300	
Db	241	ACATACACCTTTTCTTTTCTTTTATGTTTTCATCCATTTATGGTCCAGTTGACCCCTCATTTT	300	

Db 241 ACATACACCTTTTCTTTCTTTTAATGTTTTCATCCATATATGTCAGTTCAGCCCTCATTTT 300
Qy 301 GTCCACAGAGATCTAGCCAAAGATAACCGCTATCATTTATGATCATTAATCTCTCTTG 360
Db 301 GTCCACAGAGATCTAGCCAAAGATAACCGCTATCATTTATGATCATTAATCTCTCTTG 360
Qy 361 GGACCTGTTATCAGATGTTTGGAGGCCATGATTAAGTACTCACACTGTGGAAGAAAGAG 420
Db 361 GGACCTGTTATCAGATGTTTGGAGGCCATGATTAAGTACTCACACTGTGGAAGAAAGAG 420
Qy 421 GAGCAGGAGGCCCTATATGTCAGCCTCAACCGAAAGAGATGCTAATAGATGCGAGGAG 480
Db 421 GAGCAGGAGGCCCTATATGTCAGCCTCAACCGAAAGAGATGCTAATAGATGCGAGGAG 480
Qy 481 GTGCTGATAGATGGAGGTGGGCCACTCCATCCGACCCCTGGCTATGACCGCATGCC 540
Db 481 GTGCTGATAGATGGAGGTGGGCCACTCCATCCGACCCCTGGCTATGACCGCATGCC 540
Qy 541 TACAAACGTATGTCAGATCCAAAGCCTTCCCTGGGCTCAGTGCCTCCAGCTGACCTATCAG 600
Db 541 TACAAACGTATGTCAGATCCAAAGCCTTCCCTGGGCTCAGTGCCTCCAGCTGACCTATCAG 600
Qy 601 CTCTATGTAGCCTGATCTCTGACAGAGTTCCCTGGGTAGAGTTGTGCTAATGGTATTT 660
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Qy 661 TCCCTGTATCTGTACCTATGCGGCCACCTTTGGCAATATGTTGGCTATCCAGATCAAG 720
Db 661 TCCCTGTATCTGTACCTATGCGGCCACCTTTGGCAATATGTTGGCTATCCAGATCAAG 720
Qy 721 TACGATGACTACAAGATTCGCTTGGGCCACTAGAGTCTCTGCAATACCATCTGGCGG 780
Db 721 TACGATGACTACAAGATTCGCTTGGGCCACTAGAGTCTCTGCAATACCATCTGGCGG 780
Qy 781 ACATTTGGAGATCACTTCCCGCCTCCTGATTTCTGGTCTCTTCTCAGCCACTTTGAAATG 840
Db 781 ACATTTGGAGATCACTTCCCGCCTCCTGATTTCTGGTCTCTTCTCAGCCACTTTGAAATG 840
Qy 841 AAGCTGTGCCCTTCCCTAGTGTCAACTTCTGATCATCTCTTTGAGGCCCTGGATTAAG 900
Db 841 AAGCTGTGCCCTTCCCTAGTGTCAACTTCTGATCATCTCTTTGAGGCCCTGGATTAAG 900
Qy 901 TTCTGGAGAGTGTGGCCAGATGCCCAATTAACATTTGAGAAAACCTTCAGCCGGTCCGC 960
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Db 961 ACTCTGGTGTCTGATTTTCACTCACCATCTCTATGCTGGCATCAACTTCTCTGCTGG 1020
Qy 1021 TCAGCTTTGCACTTGGAGTTGGCAGACAGAGATCTCGTCGACAAAGGGCAGAACTGGGA 1080
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Db 1141 AAGTTCTTTGGAGTGAAGTGTACTGAAATTAAGTCTGATTTCTGCTGCTGAGCTC 1200
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Db 1261 TTGCGCTCACTCTTCCACCATTAATGTAGTAGACTACTCATGTTGTCTGTGCTACAGAG 1320
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Db 1321 CACCCTCGACACAGGTTTCAGAACTCAGAGCCACCTTTTGAGACTCAGCAAGGCAAGCT 1380

Qy 1381 GTTGTCTGA 1389
Db 1381 GTTGTCTGA 1389

RESULT 2

US-09-768-781-1
; Sequence 1, Application US/09768781
; Patent No. US20020142376A1
; GENERAL INFORMATION:
; APPLICANT: MERKULOV, Gennady V. et al
; TITLE OF INVENTION: ISOLATED HUMAN TRANSPORTER PROTEINS.
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN TRANSPORTER PROTEINS,
; TITLE OF INVENTION: AND USES THEREOF
; FILE REFERENCE: CL001057-CIP
; CURRENT APPLICATION NUMBER: US/09/768,781
; CURRENT FILING DATE: 2001-01-25
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1350
; TYPE: DNA
; ORGANISM: Human
US-09-768-781-1

Query Match 97.0%; Score 1346.8; DB 10; Length 1350;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1348; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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Qy 100 GAAGATGTCATCCGTGGAGCCAAACCCCGATTACTTTTCCATTAGCATCTCTTCTCC 159
Db 61 GAAGATGTCATCCGTGGAGCCAAACCCCGATTACTTTTCCATTAGCATCTCTTCTCC 120
Qy 160 ACCTTTTGTACTGTGGGAGCTGCATCTGCTTTGTATCATGTTAGATCTATCAAAG 219
Db 121 ACCTTTTGTACTGTGGGAGCTGCATCTGCTTTGTATCATGTTAGATCTATCAAAG 180
Qy 220 AATAGTGAACCTTACTGGATGACATACACCTTTCTCTTCTTTATGTTTTCATCCATTATG 279
Db 181 AATAGTGAACCTTACCGATGACATACACCTTTCTCTTCTTTATGTTTTCATCCATTATG 240
Qy 280 GTCCAGTTGACCCCTCATTTTGTCCACAGAGATCTAGCCAAAGATAAACCGCTATCATTA 339
Db 241 GTCCAGTTGACCCCTCATTTTGTCCACAGAGATCTAGCCAAAGATAAACCGCTATCATTA 300
Qy 340 TTTATGCACTTAATCTCTTGGGACCTGTTATCAGATGTTTGGAGCCCATGATTAAGTAC 399
Db 301 TTTATGCACTTAATCTCTTGGGACCTGTTATCAGATGTTTGGAGCCCATGATTAAGTAC 360
Qy 400 CTCACACTGTGGAAGAAAGAGAGGAGGAGCCCTATGTGAGCCCTCACCCGAAAGAG 459
Db 361 CTCACACTGTGGAAGAAAGAGAGGAGGAGCCCTATGTGAGCCCTCACCCGAAAGAG 420
Qy 460 ATGCTAATAGATGGGAGGAGGTGCTGATAGAAATGGAGGTGGGCCACTCCATCCCGACC 519
Db 421 ATGCTAATAGATGGGAGGAGGTGCTGATAGAAATGGAGGTGGGCCACTCCATCCCGACC 480
Qy 520 CTGGCTATGACCCGCAATGCTTACAAACGATATGTCAAGATCCAGCCCTTCTGGGCTCA 579
Db 481 CTGGCTATGACCCGCAATGCTTACAAACGATATGTCAAGATCCAGCCCTTCTGGGCTCA 540
Qy 580 GTGCCCCAGCTGACCTATCAGCTCTATGTGAGCCCTGATCTCTGCAGAGGTTCCCTGGGT 639
Db 541 GTGCCCCAGCTGACCTATCAGCTCTATGTGAGCCCTGATCTCTGCAGAGGTTCCCTGGGT 600
Qy 640 AGAGTTGTGCTAATGTTTCCCTGGTATCTGTACCTATGTGGGCCACCTTTTGCAT 699
Db 601 AGAGTTGTGCTAATGTTTCCCTGGTATCTGTACCTATGTGGGCCACCTTTTGCAT 660

Qy	700	ATGTTGGCTATCCAGATCAAGTACGATGACTACAGATTTCGCTTTGGGCCACTAGAATC	759
Db	661	ATGTTGGCTATCCAGATCAAGTACGATGACTACAGATTTCGCTTTGGGCCACTAGAATC	720
Qy	760	CTCTGCATCAACCATCTGGCGGACATTTGGAGATCACTTCCGCGCTCCTGATTTGGTGCTC	819
Db	721	CTCTGCATCAACCATCTGGCGGACATTTGGAGATCACTTCCGCGCTCCTGATTTGGTGCTC	780
Qy	820	TTCTCAGCCACTTTGAAATTTGAAGGCTGTGCCCTTCCTAGTGTCTCAACTTCTCTGATCATC	879
Db	781	TTCTCAGCCACTTTGAAATTTGAAGGCTGTGCCCTTCCTAGTGTCTCAACTTCTCTGATCATC	840
Qy	880	CTCTTTGAGCCCTGGATTAAGTTCTCGGAGAAGTGTGCCAGATGCCCAATAACATTGAG	939
Db	841	CTCTTTGAGCCCTGGATTAAGTTCTCGGAGAAGTGTGCCAGATGCCCAATAACATTGAG	900
Qy	940	ANAAACTTTCAGCCGGGTCCGCACCTCTGGTGGTCTGTGATTTTCAGTCAACATCCTCTATGCT	999
Db	901	ANAAACTTTCAGCCGGGTCCGCACCTCTGGTGGTCTGTGATTTTCAGTCAACATCCTCTATGCT	960
Qy	1000	GGCATCAACTTCTCTTGTGTGTGTCAGCTTTTGCAGTTTTCAGTTTGAGTTGGCAGACAGAGATCTCGTC	1059
Db	961	GGCATCAACTTCTCTTGTGTGTGTCAGCTTTTGCAGTTTGCAGTTTGAGTTGGCAGACAGAGATCTCGTC	1020
Qy	1060	GACAAAGGGCAGAACTGGGGACATATGGGCCCTGCACATATAGTGTGCAGGTTGCTAGAGAAT	1119
Db	1021	GACAAAGGGCAGAACTGGGGACATATGGGCCCTGCACATATAGTGTGCAGGTTGCTAGAGAAT	1080
Qy	1120	GTGATCATGGTCTTGGTTTTTAAAGTTCTTTTGGAGTGAAAGTGTGTACTGAA'TTACTGTGCAT	1179
Db	1081	GTGATCATGGTCTTGGTTTTTAAAGTTCTTTTGGAGTGAAAGTGTGTACTGAA'TTACTGTGCAT	1140
Qy	1180	TCCTTGA'TTGCCTTTGCAGCTCATATATGCTTATCTGATTTTCCATTTGGCTTTCAGTCTCCTT	1239
Db	1141	TCCTTGA'TTGCCTTTGCAGCTCATATATGCTTATCTGATTTTCCATTTGA'CTTTCAGTCTCCTT	1200
Qy	1240	TTCTTTCAGTACTTGCATCCATTTGGCTCAGCTTCTCACCCTATATAGTGTAGATGACTCCTC	1299
Db	1201	TTCTTTCAGTACTTGCATCCATTTGGCTCAGCTTCTCACCCTATATAGTGTAGATGACTCCTC	1260
Qy	1300	CATTGTGTCTGTGTCA'CCAGCACCCCTCGGACCAGGGTTTGAGAACTCAGAGCCACCCCTTTT	1359
Db	1261	CATTGTGTCTGTGTCA'CCAGCACCCCTCGGACCAGGGTTTGAGAACTCAGAGCCACCCCTTTT	1320
Qy	1360	GAGACTGAAGCAAGGCAAAAGTGTGTCTGA	1389
Db	1321	GAGACTGAAGCAAGGCAAAAGTGTGTCTGA	1350

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RESULT 3
US-09-768-781-5
; Sequence 5, Application US/09768781
; Patent No. US20020142376A1
; GENERAL INFORMATION:
; APPLICANT: MERKULOV, Gennady V. et al
; TITLE OF INVENTION: ISOLATED HUMAN TRANSPORTER PROTEINS,
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN TRANSPORTER PROTEINS,
; TITLE OF INVENTION: AND USES THEREOF
; FILE REFERENCE: CL001057-CIP
; CURRENT APPLICATION NUMBER: US/09/768,781
; CURRENT FILING DATE: 2001-01-25
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 17993
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(17993)
; OTHER INFORMATION: n = A,T,C or G
US-09-768-781-5

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Query Match	53.9%	Score 748.8	DB 10	Length 17993
Best Local Similarity	97.2%	Pred. No. 8.8e-229		
Matches 762	Conservative 0	Mismatches 22	Indels 0	Gaps 0
QY 606	TCGTAGAGCTGATCTCTCGACAGAGTTCCCTCGGTAGAGTTGCTTAATGGTATTTTCCCT	665		
DB 15210	TGATTGCCCTGTTTGTGTTTGTGTTTAAACAGTTGCTCTAAATGGTATTTTCCCT	15269		
QY 666	GGTATCTGTCACTATAGGGGCCACCCCTTTGCAATATGTTGGCTATCCAGATCAAGTAGCA	725		
DB 15270	GGTATCTGTCACTATAGGGGCCACCCCTTTGCAATATGTTGGCTATCCAGATCAAGTAGCA	15329		
QY 726	TGACTACAAGATTTGCTTGGGCCACATAGAGTCTCTGCAATCAACATCTGGCGGACATT	785		
DB 15330	TGACTACAAGATTTGCTTGGGCCACATAGAGTCTCTGCAATCAACATCTGGCGGACATT	15389		
QY 786	GGAGATCACTTCCCGCCCTCGATTCTGGTGCTCTCTCAGCCACTTTGAAATTTGAAGGC	845		
DB 15390	GGAGATCACTTCCCGCCCTCGATTCTGGTGCTCTCTCAGCCACTTTGAAATTTGAAGGC	15449		
QY 846	TGTGCCCTTCTAGTGCTCAACTTCTGATCATCTCTTTGAGCGCTGGATTAAGTTCTG	905		
DB 15450	TGTGCCCTTCTAGTGCTCAACTTCTGATCATCTCTTTGAGCGCTGGATTAAGTTCTG	15509		
QY 906	GAGAAGTGGTGCCAGATGCCCAATAACATTGAGAAAACCTTCAGCGGGTCGGCACTCT	965		
DB 15510	GAGAAGTGGTGCCAGATGCCCAATAACATTGAGAAAACCTTCAGCGGGTCGGCACTCT	15569		
QY 966	GGTGCTCTGATTTTCAGTCACCATCTCTATGCTGGGATCAACTTCTCTGCTGCTGAGC	1025		
DB 15570	GGTGCTCTGATTTTCAGTCACCATCTCTATGCTGGGATCAACTTCTCTGCTGCTGAGC	15629		
QY 1026	TTTCAGTTGAGGTTGGCAGACAGAGATCTCGTCGACAAAGGGCAGAACTGGGGACATAT	1085		
DB 15630	TTTCAGTTGAGGTTGGCAGACAGAGATCTCGTCGACAAAGGGCAGAACTGGGGACATAT	15689		
QY 1086	GGGCTCGCATATAGTGAGGTTGGTAGAATGATGATCATGCTTGGTTTAAAGTT	1145		
DB 15690	GGGCTCGCATATAGTGAGGTTGGTAGAATGATGATCATGCTTGGTTTAAAGTT	15749		
QY 1146	CTTTGGAGTGAAGTGTTACTGAAATTAATCTGCTTCTGATTCGCTTGCAGCTCATAT	1205		
DB 15750	CTTTGGAGTGAAGTGTTACTGAAATTAATCTGCTTCTGATTCGCTTGCAGCTCATAT	15809		
QY 1206	TGCTTATCTGATTTCCATTTGCTTTCATGCTTCTTCCAGTACTTGCATCAATTCG	1265		
DB 15810	TGCTTATCTGATTTCCATTTGCTTTCATGCTTCTTCCAGTACTTGCATCAATTCG	15869		
QY 1266	CTCACTCTTCAACCATTAATGTAGTAGACTACCTCCATTTGCTGCTCACCAGCACCC	1325		
DB 15870	CTCACTCTTCAACCATTAATGTAGTAGACTACCTCCATTTGCTGCTCACCAGCACCC	15929		
QY 1326	TCGGACACAGGTTGAGAACTCAGAGCCACCCCTTTGAGACTGAAAGCAAGGCAAGTGTGT	1385		
DB 15930	TCGGACACAGGTTGAGAACTCAGAGCCACCCCTTTGAGACTGAAAGCAAGGCAAGTGTGT	15989		
QY 1386	CTGA 1389			
DB 15990	CTGA 15993			

RESULT 4

US-10-092-154-106

; Sequence 106, Application US/10092154

; Publication No. US20030054375A1

; GENERAL INFORMATION:

; APPLICANT: Rosen et al.

; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

; FILE REFERENCE: PC009CI

; CURRENT APPLICATION NUMBER: US/10/092,154

; CURRENT FILING DATE: 2002-03-07

; NUMBER OF SEQ ID NOS: 2003

; Prior Application removed - See File Wrapper or Palm

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 106

; LENGTH: 531

; TYPE: DNA

; ORGANISM: Homo sapiens

US-10-092-154-106

Query Match 37.1%; Score 515.4; DB 9; Length 531;

Best Local Similarity 98.7%; Pred. No. 6.6e-155;

Matches 524; Conservative 5; Mismatches 1; Indels 1; Gaps 1;

Qy 786 GGAGATCACTTCCCGCTCTGATCTGCTGCTCTCTCAGCCACTTTGAAATTGAAGC 845

Db 2 GGAGATCACTTCCCGCTCTGATCTGCTGCTCTCTCAGCCACTTTGAAATTGAAGC 61

Qy 846 TGTGCCCTTCTAGTGTCAACTTCTGATCATCTCTTTGAGCCCTGGATTAAGTTCTG 905

Db 62 TGTGCCCTTCTAGTGTCAACTTCTGATCATCTCTTTGAGCCCTGGATTAAGTTCTG 121

Qy 906 GAGAGTGGTCCCGAGATGCCCAATAACATTGAGAAAACTTCAGCCGGTGGCACTCT 965

Db 122 GAGAGTGGTCCCGAGATGCCCAATAACATTGAGAAAACTTCAGCCGGTGGCACTCT 181

Qy 966 GGTGTCTGATTTCAGTCACCATCTCTATCTGCGCATCACTTCTCTGCTGCTCAGC 1025

Db 182 GGTGG-CTGATTTCAGTCACCATCTCTATCTGCGCATCACTTCTCTGCTGCTCAGC 240

Qy 1026 TTTGAGTTGAGTTGGCAGACAGAGATCTCGTCGACAAAGGCGAGAACTGGGGACATAT 1085

Db 241 TTTGAGTTGAGTTGGCAGACAGAGATCTCGTCGACAAAGGCGAGAACTGGGGACATAT 300

Qy 1086 GGGCTGCACTATAGTGTGAGTTGGTAGAGAAATGTGATCATGTGTTGGTTTAAAGTT 1145

Db 301 GGGCTGCACTATAGTGTGAGTTGGTAGAGAAATGTGATCATGTGTTGGTTTAAAGTT 360

Qy 1146 CTTTGGAGTGAAGTGTACTGAATTTACTGATCTCTTCTGATGCTGCTGCTCAGCTCATAT 1205

Db 361 CTTTGGAGTGAAGTGTACTGAATTTACTGATCTCTTCTGATGCTGCTGCTCAGCTCATAT 420

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RESULT 5

US-09-764-847-106

; Sequence 106, Application US/09764847

; Patent No. US20020132767A1

; GENERAL INFORMATION:

; APPLICANT: Rosen et al.

; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

; FILE REFERENCE: PC009

; CURRENT APPLICATION NUMBER: US/09/764,847

; CURRENT FILING DATE: 2001-01-17

; Prior application data removed - consult PALM or file wrapper

; NUMBER OF SEQ ID NOS: 2003

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 106

; LENGTH: 531

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-764-847-106

Query Match 37.1%; Score 515.4; DB 10; Length 531;

Best Local Similarity 98.7%; Pred. No. 6.6e-155;

Matches 524; Conservative 5; Mismatches 1; Indels 1; Gaps 1;

Qy 786 GGAGATCACTTCCCGCTCTGATCTGCTGCTCTCTCAGCCACTTTGAAATTGAAGC 845

Db 2 GGAGATCACTTCCCGCTCTGATTTCTGCTCTCTCTCAGCCACTTTGAAATTGAAGC 61

Qy 846 TGTGCCCTTCTAGTGTCAACTTCTGATCATCTCTTTGAGCCCTGGATTAAGTTCTG 905

Db 62 TGTGCCCTTCTAGTGTCAACTTCTGATCATCTCTTTGAGCCCTGGATTAAGTTCTG 121

Qy 906 GAGAGTGGTCCCGAGATGCCCAATAACATTGAGAAAACTTCAGCCGGTGGCACTCT 965

Db 122 GAGAGTGGTCCCGAGATGCCCAATAACATTGAGAAAACTTCAGCCGGTGGCACTCT 181

Qy 966 GGTGTCTGATTTCAGTCACCATCTCTATCTGCGCATCAACTTCTCTGCTGCTCAGC 1025

Db 182 GGTGG-CTGATTTCAGTCACCATCTCTATCTGCGCATCAACTTCTCTGCTGCTCAGC 240

Qy 1026 TTTGAGTTGAGTTGGCAGACAGAGATCTCGTCGACAAAGGCGAGAACTGGGGACATAT 1085

Db 241 TTTGAGTTGAGTTGGCAGACAGAGATCTCGTCGACAAAGGCGAGAACTGGGGACATAT 300

Qy 1086 GGGCTGCACTATAGTGTGAGTTGGTAGAGAAATGTGATCATGTGTTGGTTTAAAGTT 1145

Db 301 GGGCTGCACTATAGTGTGAGTTGGTAGAGAAATGTGATCATGTGTTGGTTTAAAGTT 360

Qy 1146 CTTTGGAGTGAAGTGTACTGAATTTACTGATCTCTTCTGATGCTGCTGCTCAGCTCATAT 1205

Db 361 CTTTGGAGTGAAGTGTACTGAATTTACTGATCTCTTCTGATGCTGCTGCTCAGCTCATAT 420

Qy 1206 TGTCTATCTGATTTCCATTGGCTTCATGCTCCTTTTCTTCCAGTACTTGCATCCATTGG 1265

Db 421 TGTCTATCTGATTTCCATTGGCTTCATGCTCCTTTTCTTCCAGTACTTGCATCCATTGG 480

Qy 1266 CTCACCTTCCACCAATAATGTAGTAGACTACCTCCATTGTGCTGTCTGTCA 1316

Db 481 CTCACCTTCCACCAATAATGTAGTAGACTACCTCCATTGTGCTGTCTGTCA 531

RESULT 6

US-09-962-436-564

; Sequence 564, Application US/09962436

; Patent No. US20020081301A1

; GENERAL INFORMATION:

; APPLICANT: Soppet, Daniel

; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signatu

; TITLE OF INVENTION: Sets

; FILE REFERENCE: 689290-75

; CURRENT APPLICATION NUMBER: US/09/962,436

; CURRENT FILING DATE: 2001-09-25

; PRIOR APPLICATION NUMBER: US/60/235,082

; PRIOR FILING DATE: 2000-09-25

; PRIOR APPLICATION NUMBER: US/60/234,924

; PRIOR FILING DATE: 2000-09-25

; NUMBER OF SEQ ID NOS: 568

; SOFTWARE: PatentIn version 3.0

; SEQ ID NO 564

; LENGTH: 5096

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-962-436-564

Query Match

Best Local Similarity

Matches 628; Conservative

0; Mismatches 508; Indels

12; Gaps

2;

2;

2;

2;

2;

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Db 230 CTGCTGAGCTACGCTTCTCTTCTGTACACCGCGACCTCAGCCGCGACCCGCCGCTCGTA 289
 QY 337 TTAFTTTATGATCTAAATCTCTTGGGACCTGTATACAGATGTTTGGAGCCATGATTAG 396
 Db 290 CTGCTGCTGACCTGCTGCACTTGGGCCCTTTTCAGGTGTTTGAAGTCTTCTGCACTC 349
 QY 397 TACCTCACCTGTGGAGAAAG 456
 Db 350 TACTTTC-----AGTCAGGCAACAATGAAGAGCCCTTATGTCAGTATCACCAAGAAG 400
 QY 457 AAG---ATGCTATATAGATGGCAGAGAGGTGCTGATAGATGGGAGGTGGGCCATCCATC 513
 Db 401 AGGCAATGCGCAAAATGGCCCTCTCAGAGAGAGATGAGAAAGAGGTGGGCCAGCGAGAA 460
 QY 514 CGGACCCCTGGCTATGACACCGCAATGCGCTACAAACGTATGTACAGATCCAAAGCCTTCTG 573
 Db 461 GGCNACTATATACCCACCGATCAGCTTACGCGGGCTCGGTATCCAGGCTTCTTCTG 520
 QY 574 GGCTCAGTGGCCAGCTGACCTATCAGCTCTATGTAGCCTGATCTCTGCAGAGGTTTCCC 633
 Db 521 GGCTCAGCCCCCAGCTGACCTACAGCTGTACATAAGTGTATGACGAGGAGCTCACT 580
 QY 634 CTGGGTAGAGTTGTCTTAATGTTATTTTCCCTGTATCTGTACCTATGAGGGCCACCCCTT 693
 Db 581 GTTGGAGAAAGTCTCTCATGACCATATCCCTGTTGTCCATTGTGTATGGAGCCTTGGCG 640
 QY 694 TGCAATATGTTGGCTATCCAGATCAAGTACGATGACATACAGATTCGCTTGGGCCACTA 753
 Db 641 TGCAACATCTAGCCATCAAAATCAAGTACGATGAGTATGAAGTCAAAAGTGAAGCCCTCTG 700
 QY 754 GAAGTCTCTGCACTCACCCTTGGCGGACATTTGGAGATCACTTCCCGCTCTCTGATCTG 813
 Db 701 GCCTATGCTGTATCTCTCTGTGGAGAGCTTTTCAGATTGCCATCGAGTGTAGTCTG 760
 QY 814 GTGCTCTTCTCAGCACTTTGAAATGAAGCTGTGCGCTTCTCTAGTGTCTCAACTTCTG 873
 Db 761 GTCTCTTTACCTCCGCTCGAAGACCTGGGTGGTGTATTAATACTCATCAACTTCTTC 820
 QY 874 ATCATCTCTTTGAGCCCTGGATTAAGTCTCGAGAGAGTGTGCGCCAGATGCCCAATAAC 933
 Db 821 AGTTCTCTTTGACCCCTGGATCTCTTCTGGTGCAGTGGTTCCTCCATTCCTCGAGAAC 880
 QY 934 ATTGAGAAAAAATTTACGCGGGTGGCACTCTGGTGGTCTGATTTTCAGTCACCATCTC 993
 Db 881 ATAGAGAGGCCCTCAGTAGTGGGACCAACCATTTGATCTATCTTTCTTAATTTACTC 940
 QY 994 TATGCTGGCATCAACTCTCTTCTGCTGTCAGCTTTGAGGTTGGCAGACAGAGAT 1053
 Db 941 TATACTGGTATCAACATGTTCTGCTGCTGCTGTACAGCTGAAAAATTGACAGCCCTGAC 1000
 QY 1054 CTGCTGCAAAAGGGCAGAACTGGGGACATATGGGCTGCACTATAGTGTAGGTTGGTA 1113
 Db 1001 CTCATCAGCAAGTCCCAATAATTTGTACAGCTACTGGTGTATTACATGAATTCATC 1060
 QY 1114 GAGAACTGATCATGGTCTTGGTTTAAAGTTCTTTGGAGTGAAGTGTACTGAATTAC 1173
 Db 1061 GAGAACTGCAATCTCTCTCTCTGTTGTTCTTTCAAGACTGACATCATATATATGTG 1120
 QY 1174 TGTCACTCTTGTATGCTTGGCTGACCTCATTTATGCTTATCTGATTTTCATTGGCTTCATG 1233
 Db 1121 TGGCAGCCTCTGTTGGTCTGCACTGCTCATTTGGGTACTGCAAGCAATTTCTTCTCATG 1180
 QY 1234 CTCTTTTCTTCAAGTACTTGGCATTCATTTGGCTGCACTTTTCAACCCCAATAATGTAGTAGAC 1293
 Db 1181 CTGTGATTTCTATCAGTCTTCTCCACCCCTTGCAAAAGGCTCTTTCTTCAGGTGTTCTGAA 1240
 QY 1294 TACCTCCA 1301
 Db 1241 GGCTTTCA 1248

RESULT 7
 US-09-864-761-16902

Query Match 19.6%; Score 272.2; DB 10; Length 668;
 Best Local Similarity 65.3%; Pred. No. 9.6e-77;

; Sequence 16902, Application US/09864761
 ; Patent No. US20020048763A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Penn, Sharon G.
 ; APPLICANT: Rank, David R.
 ; APPLICANT: Hanzel, David K.
 ; APPLICANT: Chen, Wensheng
 ; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
 ; TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
 ; FILE REFERENCE: Aeomica-X-1
 ; CURRENT APPLICATION NUMBER: US/09/864,761
 ; CURRENT FILING DATE: 2001-05-23
 ; PRIOR APPLICATION NUMBER: US 60/180,312
 ; PRIOR FILING DATE: 2000-02-04
 ; PRIOR APPLICATION NUMBER: US 60/207,456
 ; PRIOR FILING DATE: 2000-05-26
 ; PRIOR APPLICATION NUMBER: US 09/632,366
 ; PRIOR FILING DATE: 2000-08-03
 ; PRIOR APPLICATION NUMBER: GB 24263.6
 ; PRIOR FILING DATE: 2000-10-04
 ; PRIOR APPLICATION NUMBER: US 60/236,359
 ; PRIOR FILING DATE: 2000-09-27
 ; PRIOR APPLICATION NUMBER: PCT/US01/00666
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00667
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00664
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00669
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00665
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00668
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00663
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00662
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00661
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00670
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: US 60/234,687
 ; PRIOR FILING DATE: 2000-09-21
 ; PRIOR APPLICATION NUMBER: US 09/608,408
 ; PRIOR FILING DATE: 2000-06-30
 ; PRIOR APPLICATION NUMBER: US 09/774,203
 ; PRIOR FILING DATE: 2001-01-29
 ; NUMBER OF SEQ ID NOS: 49117
 ; SOFTWARE: Annonax Sequence Listing Engine vers. 1.1
 ; SEQ ID NO 16902
 ; LENGTH: 668
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; OTHER INFORMATION: MAP TO AC005301.16
 ; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.3
 ; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.5
 ; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.5
 ; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.3
 ; OTHER INFORMATION: EXPRESSED IN HELI00, SIGNAL = 1.2
 ; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.7
 ; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.6
 ; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 1.1
 ; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.3
 ; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.8
 ; OTHER INFORMATION: SWISSPROT HIT: P51811, EVALUATION 5.00e-43
 ; OTHER INFORMATION: NT HIT: G11418230, EVALUATION 1.00e-100
 ; OTHER INFORMATION: EST_HUMAN HIT: BE791300.1, EVALUATION 2.50e+00
 ; US-09-864-761-16902

Db 379 GCCATCAACTTCTCCTGCTGGTCAGCAGTGAACCTGCAGTTGTCCAGATGACAAATAATT 438

Qy 1060 GACAAATGGGCGAGACTGGGACATATGGGCCT 1091

Db 439 GACGGGAGACAGAGTGGGGCATAGAAATCCT 470

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RESULT 9
US-09-864-761-21423/c
; Sequence 21423, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
; FILE REFERENCE: Aemica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annonmax Sequence Listing Engine vers. 1.1
; SEQ ID NO 21423
; LENGTH: 384
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC007064.22
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.1
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.92
; OTHER INFORMATION: EST_HUMAN HIT: AI825017.1, EVALUE 3.60e-01
; OTHER INFORMATION: NT HIT: G14759329, EVALUE 3.00e-59
; OTHER INFORMATION: SWISSPROT HIT: P51811, EVALUE 5.00e-18
US-09-864-761-21423

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Query Match	11.7%	Score 162;	DB 10;	Length 384;
Best Local Similarity	68.2%;	Pred. NO. 1.6e-41;		
Matches 225;	Conservative 0;	Mismatches 105;	Indels 0;	Gaps
Qy	940	AAAACTTCAGCGGGTCGGCACTCTGGTGGTCCGTAATTCAGTCACCATCCTCTATGCT	999	
Db	384	ATAAATTCCAATATAGTGGGTACAGTACTGATGCTTTCTTGGATCACACTGCTATATGCT	325	
Qy	1000	GGCATCAACTTCTCTTGGTGCAGCTTTTGGCAGTTTGAGGTTGGCAGACAGAGATCTCGTC	1059	
Db	324	GCCATCAACTTCTCTGCTGGTCAGCAGTGAACTCAGTTGTCCAGATGACAAAATAATT	265	
Qy	1060	GACAAAGGGCAGAACTGGGGACATATGGGCCCTGCACATATAGTGTGAGGTTGGTACAGAAAT	1119	
Db	264	GACGGGAGACAGAGGTGGGGCCATAGAAATCCTACACTACAGCTTTTCAGTTTTTAGAAAAT	205	
Qy	1120	GTGATCATGCTCTGGCTTTTAAAGTTCTTTGGAGTGAAGTGTTACTCAAAATCTATGTCAT	1179	
Db	204	GTGATTAATGATATTGGTATTAGGTTCTTTGGAGGGAACCTTTGCTGAATTTGTTGAC	145	
Qy	1180	TCCTTGATTGCCCTTGCACTCAATTATGCTTATCTGATTTCCATTGGCTTTCATGCTCCTT	1239	
Db	144	TCATTAAATGGCGTGCACTCATATAAGTACCTATTGGCCACTGGCTTTTATGCTCCTC	85	
Qy	1240	TTCTTCCAGTACTTGCATCCATTTGGCTCA	1269	
Db	84	TTCTATCAGTATTTGTACCATTGGCAGTCA	55	

RESULT 10
US-09-864-761-4683/c
; Sequence 4683, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
; FILE REFERENCE: Acomica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30

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; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/508,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 19197
; LENGTH: 294
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO ALL21577.1
; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 1.2
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 2.3
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.6
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.8
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 2.4
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.5
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 2.2
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 2.2
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 2
; OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 3.3
; OTHER INFORMATION: NT HIT: gil0835266, EVALUE 0.00e+00
; OTHER INFORMATION: EST HUMAN HIT: AI697050.1, EVALUE 0.00e+00
; OTHER INFORMATION: SWISSPROT HIT: P51811, EVALUE 5.00e-44
; US-09-864-761-19197

Query Match          5.3%; Score 73.2; DB 10; Length 294;
Best Local Similarity 58.3%; Pred. No. 4,3e-13;
Matches 148; Conservative 0; Mismatches 103; Indels 3; Gaps

QY   413 AGAAAGAGGAGCAGGAGGAGCCCTATGTGCAGCGCTCACCCGAAGA---AGATGCTTAATAG 469
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db    28 AGTCGGCAACAATGAAGAGCCCTTATGTCAAGTATCACCAGAAGAGGCCAAATGCCAAAAA 87

QY   470 ATGGCAGGAGGTGCTGATAGATGGAGGTGGCCACTCCATCCGGACCCCTGGCTATGC 529
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db    88 ATGGCTCTCAGAGGAGATTGAAGAGGAGGTGGGCCAGGACAGAACAAATAATCACCC 147

QY   530 ACCGCAATGCCTACAAACCTATGTACAGATCCAAGCCTTCTCTGGGCTCAGTGCCCCCAGC 589
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db    148 ACCGATCAGGTTACGCCGGGCGTCGGTGATCCAGGTTTTCTTTGGGCTCAGCCCCCAGC 207

QY   590 TGACCTATCAGCTCTATGTGAGCCTGATCTTGCAGAGGTTCCCCTGGGTAGAGTTGTCG 649
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db    208 TGACCTCATAGCTGTACATAAGTGTATGCAGCAGGACGCTCACTGTTGGAAGAAGTAGCT 267

QY   650 TATGTTATTTTCC 663
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db    268 GTATTTTTTATTC 281

RESULT 12
US-09-864-761-2467
; Sequence 2467, Application US/09864761
; Patent No. US20020048763A1
GENERAL INFORMATION:
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US-09-864-761-10062

Query Match 3.7%; Score 51.6; DB 10; Length 486;
Best Local Similarity 55.5%; Pred. No. 5.3e-06;
Matches 96; Conservative 0; Mismatches 74; Indels 0; Gaps 0;

QY 483 GCTGATGAATGGGAGTGGCCCACTCCATCCGGACCCCTGGCTATGCACCGCAATGCCTA 542
DB 390 GATCTGGAAGGGAGATGCTATCTCAATCCGGATATTTTCAGCAGAGAGGCTTT 331

QY 543 CAACAGTATGTCAGAGATCCAAAGCTTCTCGGCTCAGTGCAGCCAGCTATCAGCT 602
DB 330 CAAGTACATGTCAGTATCAGGCTTTCTCGGTTCTCTCCACAATTAATTTGCAGAT 271

QY 603 CTATGTGAGCTGATCTCTGCAGAGGTTCCCTGGGTAGATTGTGCTAA 652
DB 270 GTATATCAGTCTCACTATACAGAGAATGCCCTTTGAATAGAGGTAAGTTGA 221

RESULT 14

US-09-764-877-853/c

; Sequence 853, Application US/09764877
; Patent No. US20020147140A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC005
; CURRENT APPLICATION NUMBER: US/09/764,877
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 4031
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 853
; LENGTH: 832
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (824)
; OTHER INFORMATION: n equals a,t,g, or c

US-09-764-877-853

Query Match 3.2%; Score 45; DB 10; Length 832;
Best Local Similarity 50.2%; Pred. No. 0.001;
Matches 111; Conservative 0; Mismatches 110; Indels 0; Gaps 0;

QY 1118 ATGTGATCATGGTCTTGTTTTTAAGTTCTTTGGAGTGAAGTGTACTGAATTACTGTCT 1177
DB 500 AGGCTATCATTTGTCAGGGAATTCGAGATGCTTGGAGTAAAGTATGATGAGAGCAGCTATG 441

QY 1178 ATTCTTGTATGCTTGCAGTCTATTATGCTTATCTGATTTCCATTGGCTTCATGCTCC 1237
DB 440 TCACTCTGAATCAAAATCCTTCTCTCATTTGTCTAACTTATCCAGATGTGATTCAAACTCC 381

QY 1238 TTTTCTTCCAGTACTTGCATCATTTGGCTCCTCACTCTTCCACCAATAATGTAGTACTACC 1297
DB 380 TTCACAGTAAACAATTTTCCGAGGTTCTCTCTGGGTGATTTTCTGTTTGGCCAGA 321

QY 1298 TCCATTGTGCTGTGTCACAGCAGCCCTCGGACCAAGGTT 1338
DB 320 ATCTTGTGTTAGTCTTACAGTCTCCGAGGATTCAGATT 280

RESULT 15

US-09-902-941-1883/c
; Sequence 1883, Application US/09902941
; Patent No. US20020172952A1
; GENERAL INFORMATION:
; APPLICANT: Henderson, Robert A.
; APPLICANT: Wang, Tongtong
; APPLICANT: Watanabe, Yoshihiro
; APPLICANT: Johnson, Jeffrey C.
; APPLICANT: Retter, Marc W.

; APPLICANT: Marnerakis, Margarita
; APPLICANT: Carter, Darrick
; APPLICANT: Fanger, Gary R.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: McNabb, Andria
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.478C17
; CURRENT APPLICATION NUMBER: US/09/902,941
; CURRENT FILING DATE: 2001-07-10
; NUMBER OF SEQ ID NOS: 2002
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1883
; LENGTH: 6799
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-902-941-1883

Query Match 2.8%; Score 38.8; DB 9; Length 6799;
Best Local Similarity 50.0%; Pred. No. 0.44; Indels 0; Gaps 0;
Matches 97; Conservative 0; Mismatches 97; Indels 0; Gaps 0;

QY 381 GGAGGCCATGATTAAAGTACTCTCACACTGTGGAAGAAAGAGGAGGAGGAGCCCTATGT 440
DB 859 GGCCATCTCTGGAGGAGAGCTGAAGCAGCTGGAGGAGGAGTCCCGCAGAGGAGCGGA 800

QY 441 CAGCTCACCCGAAAGAGATGCTTAATAGATGGCGAGGAGGTGCTGTAGATAGAGGT 500
DB 799 GCGTGTCAAGCTGGAGCTGGAGCTGACGGAGGTCAAGGAGAGCCTGAAAGAAAGCGCTGC 740

QY 501 GGGCCACTCCATCCGAGCCCTGGCTATGSCCCGCAATGCCCTACAAACGTTATGTACAGAT 560
DB 739 GGGCGAGTACCCTGGGGCTGGCCATGAGCCCAAGTCAGGGACATCGAGTCCACAGT 680

QY 561 CCAAGCCTTCCTGG 574
DB 679 GTGTGTCCTTCTGG 666

Search completed: March 30, 2003, 06:55:49
Job time : 128.239 secs